

6.25

WORK SHEET FOR STEPWISE CALCULATION

(SUBSURFACE)
(SURFACE)

PRESSURE (P_f & P_s)
(P_e & P_w)

Form C-122-E
Adopted 9-1-65

COMPANY Shawano Oil Co. LEASE Section 7 WELL NO. 1 DATE 7-14-77

LOCATION: Unit 1 Section 7 Township 19-S Range 32-E

L 13279 H 13279 L/H 1.000 G_{sc} 0.6916 % CO₂ 0.116 % N₂ 0.528 % H₂S 0

d 2441 F_r 216763 Q_m 11641 M²-cfd (L/H) (F_rQ_m)² 0.00212 P_{cr} 666 T_{cr} 114

LINE	ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
1	H		0	6629.5		13279						
2	GH		0	4596.9		9122.1			AP = 2(244391)			
3	37.5GH		0	7721.5		21429.1			101.926 + 4(110.732) + 122.198			
4	P _e or P _n		400.12	4191.2	4291.2	5004.2	5122.2	5294.2				
5	P _r		603	7420	7419	8271	8371	830		1032.173		
6	T		223	272	588	656	650	655		671.232		1532.4
7	T _r		174	222	153	171	171	171				
8	Z		743	941	940	1032	1035	1035				
9	P/Z P/Z	4:8	4253.5	5000.0	5097.0	5320.1	5215.1	5243.2				
10	P/TZ	9:6	91412	26712	26684	81862	20480	21457				
11	(P/TZ) ² /1000	(10) 2/1000	222564	625221	675741	167014	166391	166242				
12	L/H(F _r Q _m) ²		0.00212	0.00212	0.00212	0.00212	0.00212	0.00212				
13		I1 + I2	0.00212	0.00212	0.00212	0.00212	0.00212	0.00212				
14	I _n	I0 + I3	0.00212	0.00212	0.00212	0.00212	0.00212	0.00212				
15	M = P _n - P _{n-1}		108.966	110.721	110.762	126.590	122.153	122.198				
16	N = I _n + I _{n-1}			791	284	282	241	229				
17	M x N	I5 x I6		219.207	219.248	222.252	222.915	222.960				
18	Σ (M x N)	Σ I7			172.282			172.157				